

BioPortal

Tertulia 12/10/10

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BioPortal

- House of Tools
- Semantic Web
- SOA
- AJAX
- More?

Existing Tools



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Step 1: Query

compute protein semantic similarity ▾

Step 2: Options

Measure: simGIC ▾

GO type: Molecular Function ▾

☐ Ignore IEA

Step 3: Input

Proteins

Run

The query **compute protein semantic similarity** returns the semantic similarity scores between all proteins entered, in matrix format.



Existing Tools

CESSM

Collaborative Evaluation of GO-based Semantic Similarity Measures



Home

[Instructions](#)

[Download Dataset](#)

[About](#)

Username: Password:

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CESSM is an online tool for the automated evaluation of GO-based semantic similarity measures, that enables the comparison of new measures against previously published ones in terms of performance against sequence, Pfam and EC similarity.

News:

CESSM version 0.2 released on September 29, 2009:

- Non-electronic annotations bug fixed.
- Faster computation of results.
- Results now available for direct download and no longer sent to e-mail.
- Improved zip file creation.

Existing Tools

CMPSim

Chemical and Metabolic Pathway Similarity

... alpha version ...

Welcome to the Chemical and Metabolic Pathway Similarity (CMPSim) tool.


CMPSim is a web tool that implements a novel approach to measure the similarity between chemical compounds and metabolic pathways using semantic similarity. Information about Chemical Compounds is gathered from the [Chemical Entities of Biological Interest](#) and information about Metabolic Pathways from the [Kyoto Encyclopedia of Genes and Genomes](#) database. Using the [ChEBI](#) ontology and the chemical annotations of [KEGG](#) pathways, CMPSim is capable of measuring the similarity between chemical compounds and metabolic pathways.

Search


Try an [Advanced Search](#).

Tools

- » [Calculate similarity between compounds](#)
- » [Calculate similarity between pathways](#)
- » [Pathway index](#)



This webtool is brought to you by [XLDL - Lasige](#)



BOA BIOMEDICAL ONTOLOGY APPLICATIONS

Each case is unique

- Single vs multi input
- File vs text input
- Single vs multi features
- Integration problems

Benefits of new Technologies

- Integrations with other systems
- Used by other applications
- Interactive web page
- Easy update
- New tools

More?

- New tool system
- Queue system
- Mailing system
- Search system

Suggestions / Discussion

- Name
 - BioSys; BioCore; BioProg; ToolBi; BioLog;
 - BioSeT (BIOmedical SEmantic Tools)
 - BioMeST(BIOMedical Semantic Tools)
- Tool/Feature/Input
- More?